

## Table H. - Engineering Index Properties

Mathews County, Virginia

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Be:												
Bertie	0-10	Fine Sandy Loam	ML	A-2	0	0	100	100	60-95	30-65	15-25	2-7
		Very Fine Sandy Loam	SC-SM	A-4								
		Sandy Loam	SM									
		Loam										
	10-37	Loam	CL	A-2	0	0	100	100	60-100	30-80	23-38	6-14
		Sandy Loam	CL-ML	A-4								
		Clay Loam	SC	A-6								
		Sandy Clay Loam	SC-SM									
	37-64	Loamy Sand	SC-SM	A-2	0	0	100	100	50-85	15-55	10-25	NP-7
		Fine Sandy Loam	SM	A-4								
		Fine Sand										
		Sandy Loam										
		Loamy Fine Sand										
Dragston	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
Cb:												
Coastal beach	---				---	---	---	---	---	---	---	---
Tidal Marsh	---				---	---	---	---	---	---	---	---

Dr:

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Dr:												
Dragston	0-8	Loamy Fine Sand Fine Sandy Loam	CL-ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	11-20	NP-4
	8-25	Sandy Clay Loam Loam Sandy Loam Fine Sandy Loam	CL-ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	16-34	2-12
	25-75	Fine Sandy Loam Loamy Sand Sand Sandy Loam	SC-SM SM SP-SM	A-2 A-3	0	0	100	100	50-85	5-55	9-23	NP-6
Bertie	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
Ek:												
Elkton	0-8	Very Fine Sandy Loam Silt Loam	CL-ML ML	A-4	0	0	100	100	85-100	50-95	17-30	2-10
	8-47	Silty Clay Clay Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-95	31-61	10-27
	47-79	Very Fine Sandy Loam Sandy Clay Loam Sand Sandy Loam	CL ML SC SP-SC	A-2 A-4	0	0	100	100	50-95	5-65	9-34	NP-12
Bertie	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---

Fa:

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Fa: Fallsington	0-8	Fine Sandy Loam	CL-ML	A-2	0	0	100	100	60-90	30-55	12-30	NP-10
		Sandy Loam	ML	A-4								
		Sandy Clay Loam	SC-SM									
	8-37	Fine Sandy Loam	CL	A-2	0	0	100	100	60-90	30-55	23-34	6-12
		Sandy Clay Loam	SC	A-4								
		Loam		A-6								
	37-93	Sandy Loam										
		Sand	CL	A-2	0	0	100	100	50-85	5-55	9-34	NP-12
		Fine Sandy Loam	CL-ML	A-3								
		Loamy Fine Sand	SC	A-4								
		Loamy Sand	SM									
			SP-SM									
Elkton	---				---	---	---	---	---	---	---	---
Bertie	---				---	---	---	---	---	---	---	---
Dragston	---				---	---	---	---	---	---	---	---

KeA:

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
KeA:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	12-20	NP-4
	11-40	Sandy Clay Loam Loam Fine Sandy Loam Sandy Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sandy Loam Loamy Sand Sand Loamy Fine Sand Fine Sandy Loam Fine Sand	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Sassafras	---				---	---	---	---	---	---	---	---
Woodstown	---				---	---	---	---	---	---	---	---

KeB:

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
KeB:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	12-20	NP-4
	11-40	Loam Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sand Fine Sand Loamy Sand Sandy Loam Fine Sandy Loam Loamy Fine Sand	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Sassafras	---				---	---	---	---	---	---	---	---
Woodstown	---				---	---	---	---	---	---	---	---
KtA:												

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
KtA:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM	A-2 A-4	0	0	100	100	50-85	15-55	12-20	NP-4
	11-40	Loam Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL ML SC SC-SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sand Loamy Sand Fine Sand Loamy Fine Sand Sandy Loam Fine Sandy Loam	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Woodstown	---				---	---	---	---	---	---	---	---
Bertie	---				---	---	---	---	---	---	---	---
KyA:												
Keyport	0-8	Very Fine Sandy Loam Silt Loam	CL CL-ML	A-4	0	0	100	100	85-100	50-90	16-30	2-10
	8-37	Silty Clay Clay	ML CH CL MH ML	A-7	0	0	100	100	90-100	75-95	43-61	17-27
	37-79	Loam Sandy Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	100	100	60-95	30-75	13-38	NP-14

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
KyA:												
Woodstown	---				---	---	---	---	---	---	---	---
Bertie	---				---	---	---	---	---	---	---	---
Elkton	---				---	---	---	---	---	---	---	---
KyD2:												
Keyport	0-8	Silt Loam	CL	A-4	0	0	95-100	90-100	80-100	65-90	22-41	6-17
			CL-ML									
	8-37	Clay	CH	A-6	0	0	95-100	90-100	80-100	65-95	35-55	10-30
		Clay Loam	CL	A-7								
		Silty Clay Loam	MH									
			ML									
	37-79	Stratified Loamy Sand To Clay	CL	A-2	0	0	95-100	90-100	45-100	15-95	16-57	2-36
			CL-ML	A-4								
		Sandy Clay Loam	SC	A-6								
			SC-SM	A-7								
Woodstown	---				---	---	---	---	---	---	---	---
Bertie	---				---	---	---	---	---	---	---	---
Elkton	---				---	---	---	---	---	---	---	---
Ma:												
Mixed alluvial land	0-8	Silt Loam	CL	A-4	0	0	100	100	70-100	40-90	16-30	2-10
		Very Fine Sandy Loam	CL-ML									
		Loam	ML									
		Fine Sandy Loam										
	8-37	Loam	CL	A-4	0	0	100	100	70-100	40-90	16-30	2-10
		Fine Sandy Loam	ML									
		Silt Loam										

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ma:												
Elkton	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
SaA:												
Sassafras	0-8	Loamy Fine Sand	SC-SM	A-2	0	0	100	100	70-85	28-55	10-23	NP-6
		Fine Sandy Loam	SM	A-4								
	8-36	Sandy Loam	CL	A-2	0	0	100	100	60-95	30-75	23-31	6-10
		Sandy Clay Loam	CL-ML	A-4								
		Loam	SC									
	36-70	Fine Sandy Loam	SC-SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-5
		Loamy Fine Sand	SM	A-3								
		Sand	SP-SM	A-4								
		Loamy Sand										
Woodstown	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
SaB2:												



**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
<b>SaB2:</b>												
Sassafras	0-8	Fine Sandy Loam	SC	A-2	0	0	100	100	50-85	25-55	12-32	NP-10
			SC-SM	A-4								
			SM									
	8-36	Sandy Clay Loam	CL	A-2	0	0	100	100	50-95	25-75	20-33	5-15
		Loam	CL-ML	A-4								
		Sandy Loam	SC	A-6								
			SC-SM									
	36-70	Sand	SC	A-1	0	0	85-100	80-100	30-90	5-55	15-26	NP-8
		Loamy Fine Sand	SC-SM	A-2								
		Loamy Sand	SM	A-3								
		Fine Sandy Loam	SP-SM	A-4								
Woodstown	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
<b>SdA:</b>												
Sassafras	0-8	Fine Sandy Loam	ML	A-4	0	0	100	100	70-85	28-55	9-23	NP-6
		Loamy Fine Sand	SM									
	8-36	Sandy Loam	CL	A-2	0	0	100	100	50-95	25-75	20-33	5-15
		Sandy Clay Loam	CL-ML	A-4								
		Loam	SC	A-6								
			SC-SM									
	36-70	Loamy Fine Sand	SC	A-1	0	0	85-100	80-100	30-90	5-55	15-26	NP-8
		Fine Sandy Loam	SC-SM	A-2								
		Loamy Sand	SM	A-3								
		Sand	SP-SM	A-4								
Woodstown	---				---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
SdA:												
Kempsville	---				---	---	---	---	---	---	---	---
Fallsington	---				---	---	---	---	---	---	---	---
SsD:												
Sloping sandy land	0-6	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
	6-60	Fine Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Sand	SM	A-3								
			SP-SM									
Steep sandy land	---				---	---	---	---	---	---	---	---
StE:												
Steep sandy land	0-6	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
	6-60	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
			SP-SM									
sloping sandy land	---				---	---	---	---	---	---	---	---

Th:

**Table H. - Engineering Index Properties - Continued**

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Th:												
Tidal marsh	0-13	Mucky Fine Sandy Loam	SC-SM	A-2-5	0	0	100	100	60-100	30-90	25-85	1-11
		Mucky Sandy Loam	SM	A-4								
		Mucky Loam		A-6								
		Mucky Silt Loam										
	13-40	Mucky Sandy Loam	ML	A-2-4	0	0	100	100	60-95	30-75	20-66	1-10
		Mucky Loam	OL	A-4								
			SC-SM	A-5								
			SM									
	40-80	Mucky Sandy Loam	ML	A-2-4	0	0	100	100	50-100	5-95	20-52	1-10
		Coarse Sand	OL	A-4								
		Mucky Silty Clay Loam	SC-SM									
		Mucky Sandy Clay Loam	SM									
			SP-SM									
Tidal Marsh	---				---	---	---	---	---	---	---	---
Coastal Beach	---				---	---	---	---	---	---	---	---
To:												
Tidal marsh	0-20	Mucky Silty Clay	CL	A-6	0	0	100	98-100	90-100	80-95	40-90	16-25
		Mucky Clay	ML	A-7								
		Mucky Silty Clay Loam	OL									
	20-60	Clay Loam	CH	A-7	0	0	100	98-100	90-100	80-95	40-90	22-39
		Clay	MH									
		Mucky Silty Clay	ML									
			OH									
			OL									
	60-80	Sand	CH	A-1	0	0	99-100	98-100	49-100	5-95	15-90	1-39
		Silt Loam	CL-ML	A-2-4								
		Clay	MH	A-7								
		Mucky Silty Clay Loam	ML									
			OH									
			SW-SM									

## Table H. - Engineering Index Properties - Continued

Mathews County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
To:												
Tidal Marsh	---				---	---	---	---	---	---	---	---
Coastal Beach	---				---	---	---	---	---	---	---	---
W:												
Inland water	---				---	---	---	---	---	---	---	---
WATER:												
Open water	---				---	---	---	---	---	---	---	---
Wo:												
Woodstown	0-9	Fine Sandy Loam	SC-SM	A-2	0	0	100	100	70-85	28-55	10-25	NP-7
		Loamy Fine Sand	SM	A-4								
	9-35	Loam	CL	A-2	0	0	100	100	60-95	30-75	23-31	6-10
		Fine Sandy Loam	CL-ML	A-4								
		Sandy Loam	SC									
		Sandy Clay Loam	SC-SM									
	35-60	Loamy Fine Sand	SC-SM	A-2	0	0	100	100	50-85	5-55	10-25	NP-7
		Sandy Loam	SM	A-3								
		Fine Sand	SP-SM	A-4								
		Loamy Sand										
		Sand										
		Fine Sandy Loam										
Sassafras	---				---	---	---	---	---	---	---	---
Keyport	---				---	---	---	---	---	---	---	---